

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): A method to release, ~~by means of a Path\_Tear Message,~~ a

Label Switched Path (LSP) established between linked routers (A, B, C, D, E) of a telecommunication network ~~via a Path\_Tear Message, the method comprising:~~

~~linking said routers being linked in cascade according to a main path Main Path; (AB, BC, CD, DE) and being further;~~

~~linked-linking said routers in another order according to at least one Detour Path detour path (ac, ee, bd); and~~

~~releasing at least some of the linked routers via said Path\_Tear Message, wherein characterized in that said Path\_Tear Message comprises information and includes a tag indicating, to the router receiving said Path\_Tear Message, whether said Path\_Tear Message should be immediately forwarded towards a downstream-located router without waiting for a predetermined timeout period.~~

2. (currently amended): The release method according to claim 1, ~~wherein characterized in that said Path\_Tear Message is received, in the receiving router, via a-said detour path Detour Path (ac, ee, bd) linking an upstream-located router to said receiving router.~~

3. (currently amended): The release method according to claim 1, ~~wherein characterized in that said tag further indicates through which of said Main Path (AB, BC, CD,~~

~~DE) main path or said Detour Path (ac, ee, bd) detour path or both, starting from the receiving router, said Path\_Tear Message should be immediately forwarded towards said downstream-located router.~~

4. (currently amended): The release method according to claim 1, characterized in that, for said router receiving said Path\_Tear Message, said release method further comprises a step of wherein said releasing comprises releasing all the Label Switched Paths (LSP) arriving at this ~~a~~ receiving router from upstream-located routers via said Main Path ~~main path (AB, BC, CD, DE)~~ and via said ~~detour path~~ Detour Path ~~(ac, ee, bd)~~ linking said upstream-located routers and said receiving router.

5. (currently amended): ~~The release method according to claim 1, A method to release a Label Switched Path established between linked routers of a telecommunication network via a Path\_Tear Message, the method comprising:~~  
~~linking said routers in cascade according to a main path;~~  
~~linking said routers in another order according to at least one detour path; and~~  
~~relating at least some of the linked routers via said Path\_Tear Message,~~  
~~wherein said Path\_Tear Message comprises a tag indicating characterized in that said tag further indicates which of Label Switched Paths (LSPs) to release and wherein said releasing comprises ; and in that, for the router receiving said Path\_Tear Message, said release method comprises a step of releasing immediately each Label Switched Path indicated by said tag.~~

6. (currently amended): The release method according to claim 5, wherein characterized in that said tag is a Sender Template whereof can be derived the Label Switched Paths to release.

7. (currently amended): A telecommunication network comprising:  
with a plurality of routers; and  
a plurality of links (A, B, C, D, E) interconnected interconnecting the plurality of routers,  
where via links through which Label Switched Paths (LSP) are established using said plurality of  
links,  
wherein said routers being are linked in cascade according to a main path Main Path (AB,  
BC, CD, DE) and being further are linked in another order according to at least one detour path  
Detour Path (ac, ce; bd),  
and wherein said routers being adapted to transmit a Path\_Tear Message towards  
downstream-located routers, said Path\_Tear Message indicating that a Label Switched Path  
(LSP) has to be released,

characterized in that wherein the router transmitting said Path\_Tear Message adds to said  
Path-Tear Message information and is adapted to include in said Path\_Tear Message a tag  
indicating, to the router receiving said Path\_Tear Message, whether said Path\_Tear Message  
should be immediately forwarded towards a downstream-located router without waiting a  
predetermined timeout period,

wherein and in that the receiving router is adapted to detect detects said tag in said  
received Path\_Tear Message, to release releases each Label Switched Path indicated by said tag,

and, according to said tag, ~~to forward forwards immediately~~ said Path\_Tear Message towards said downstream-located router ~~without waiting the predetermined period of time.~~

8. (currently amended): The telecommunication network according to claim 7, characterized in that ~~wherein~~ said tag further indicates through which path said Path\_Tear Message should be forwarded downstream, and ~~in that, wherein,~~ according to said tag, said receiving router ~~is further adapted to forward forwards immediately~~ said Path\_Tear Message towards said downstream-located router through said Main Path ~~(AB, BC, CD, DE)~~ or through said Detour Path ~~(ac, ce, bd)~~ or through both ~~without waiting the predetermined period of time.~~

9. (currently amended): The telecommunication network according to claim 7, characterized in that ~~wherein~~ said receiving router is adapted to release all the Label Switched Paths (LSPs) arriving at said receiving router from upstream-located routers via said Main Path main path ~~(AB, BC, CD, DE)~~ and via said detour path Detour Path ~~(ac, ce, bd)~~ linking said upstream-located routers and said receiving router.

10. (currently amended): The telecommunication network according to claim 7, ~~wherein characterized in that~~ said tag further indicates which Label Switched Paths (LSPs) ~~is~~ to be released, and ~~wherein in that~~ said receiving router ~~is adapted to release releases immediately~~ each Label Switched Path indicated by said tag ~~without waiting for the predetermined period of time.~~

11. (currently amended): The telecommunication network according to claim 7,  
~~characterized in that wherein said receiving router is further adapted to transmit transmits,~~  
towards an upstream-located router, a Reserved\_Tear Message including a said tag,  
~~in that wherein said upstream-located router is adapted to transmit transmits said~~  
Reserved\_Tear Message towards a downstream-located router, and  
~~and in that wherein said downstream-located router is adapted to immediately generate~~  
~~generates a Path\_Tear Message including said tag, and to immediately forward forwards said~~  
Path\_Tear Message towards another downstream-located router ~~without waiting for the~~  
~~predetermined period of time.~~

12. (currently amended): The telecommunication network according to claim 7,  
~~characterized in that wherein both said Main Path (AB, BC, CD, DE)-main path and at least one~~  
~~Detour Path (ac, ce; bd)-detour path arrive at said receiving router.~~

13. (currently amended): The telecommunication network according to claim 7,  
~~characterized in that wherein said telecommunication network is a Multi-Protocol Label~~  
Switching {MPLS} telecommunication network.

14. (currently amended): The telecommunication network comprising:  
~~with a the plurality of routers; (A, B, C, D, E)~~  
~~a plurality of links interconnected interconnecting said plurality of routers, where via~~  
~~links through which Label Switched Paths (LSP) are established using said plurality of links,~~

wherein said routers ~~being~~ are linked in cascade according to the a Main Path (AB, BC, CD, DE) ~~main path~~ and ~~being further~~ are linked in another order according to at least one Detour Path (ac, ee; bd) said detour path,

and wherein said routers ~~being~~ adapted to transmit ~~a-~~the Path\_Tear Message towards downstream-located routers, said Path\_Tear Message indicating that a Label Switched Path (LSP) has to be released,

characterized in that wherein the router transmitting said Path\_Tear Message adds said tag and said information to is adapted to include in said Path\_Tear Message, the tag a tag indicating, to the router receiving said Path\_Tear Message, whether said Path\_Tear Message should be ~~immediately~~ forwarded towards a downstream-located router ~~without waiting for the predetermined timeout period,~~

and wherein in that the receiving router ~~is adapted to detect~~ detects said tag in said received Path\_Tear Message, to release releases each Label Switched Path indicated by said tag, and, according to said tag, ~~to forward~~ forwards ~~immediately~~ said Path\_Tear Message towards said downstream-located router, and

wherein characterized in that said routers are adapted to operate according to the release method as mentioned in claim 1.

15. (new): The release method according to claim 1, wherein said releasing comprises releasing without waiting for the predetermined timeout period, each Label Switched Path indicated by said tag.

16. (new): A system for releasing a Label Switched Path established between linked routers of a telecommunication network via a Path\_Tear Message, the system comprising:

a plurality of routers;

a plurality of links linking said routers to form a main path and linking said routers in another order to form at least one detour path;

a release module which releases at least some of the linked routers via said Path\_Tear Message,

wherein said Path\_Tear Message comprises information and a tag indicating to the router receiving said Path\_Tear Message, whether said Path\_Tear Message should be forwarded towards a downstream-located router without waiting for a predetermined timeout period.

17. (new): The system according to claim 16, wherein the tag further indicates which of Label Switched Paths to release and wherein the releasing module releases each LSP indicated in the tag without waiting for the predetermined timeout period.

18. (new): The release method according to claim 1, wherein the tag indicates which paths out of the main path and the detour path and wherein the Path\_Tear Message is received only via one of the main path and the detour path and is forwarded downstream without waiting for the predetermined timeout period.

19. (new): The release method according to claim 1, wherein a receiving router is linked to other routers via the main path and via the detour path and wherein, when the receiving router receives the Path\_Tear Message via only one of the main path and the detour path, the

receiving router forwards the received Path\_Tear Message downstream without waiting the predetermined timeout period.